INTERNATIONAL JOURNAL OF MASS SPECTROMETRY AND ION PROCESSES, VOLUME 85 (1988)

AUTHOR INDEX

Adamczyk, B. 319
Aggarwal, S.K. 137

Badrinathan, C. 229
Beary, E.S. 203
Beavis, R. 43
Becker, S. 327
Block, J.H. 195
Bordas-Nagy, J. 241
Bowie, J.H. 167, 215
Brenton, A.G. 117

Castleman, A.W. Jr. 277

Dietze, H.-J. 327
Duggal, R.K. 137

Eiceman, G.A. 265
Eichinger, P.C.H. 215
Ens, W. 43

Fassett, J.D. 203

Gaukler, K.H. 81
Griffiths, W.J. 69, 259, 339

Hamdan, M. 117
Harden, C.S. 265
Harris, F.M. 69, 259, 339
Helal, A.I. 187, 195
Holmes, J.L. 241
Hop, C.E.C.A. 241
Howorka, F. R1
Hunt, J.E. 99

Illenberger, E. 125
Ino, S. 31

Jain, H.C. 137
Jardino, M. 287
Jeske, R. 81

Kawano, H. 301
Keesee, R.G. 277
Kishi, H. 301
Kluft, E. 215

Lafortune, F. 43
Lagadec, H. 287
Lee, A.R. 117

MacMillan, J.G. 91
March, R.E. 91, 237
Märk, T.D. R1
Mathur, D. 229
Meis, C. 287
Michalak, L. 319

Nibbering, N.M.M. 215

Ogino, K. 31
Oster, T. 125

Passarella, R. 277

Raftery, M.J. 167
Rajgara, F.A. 229
Raznikov, V.V. 1
Raznikova, M.O. 1
Reid, C.J. 151

Salehpour, M. 99
Schueler, B. 43
Schwab, B. 327
Seifert, G. 327
Shah, P.M. 137
Shoff, D.B. 265
Shul, R.J. 277
Snyder, A.P. 265
Stamatovic, A. R1
Standing, K.G. 43
Stephan, K. R1
Stringer, M.B. 215

Tajima, S. 31
Tang, X. 43
Tobita, S. 31

Upschulte, B.L. 277

Wizemann, H.D. 81
Wollnik, H. 23

Xiao, Y.-K. 203
Young, A.B. 237

Zahran, N.F. 187, 195

INTERNATIONAL JOURNAL OF MASS SPECTROMETRY AND ION PROCESSES, VOLUME 85 (1988)

SUBJECT INDEX

acetophenone
appearance spectroscopy of ions formed by field ionization of — 195
amides
the collision-induced dissociations of deprotonated — in the gas phase 167
assignment of the mass number
— to peaks in high-resolution mass spectra acquired via the counting of ions 1

boron
an improved method for the high-precision isotopic measurement of — by thermal ionization mass spectrometry 203
boron–nitrogen clusters
on the formation of — in a laser-induced plasma 327
$^{79}Br^+$ and $^{79}Br^{2+}$
long-lived excited states of — 117
butyl acetate isomers
fragmentation of — in the drift region of an ion mobility spectrometer 265

CH_5 and $[CH_5]^{2+}$
keV collisions of methonium ions: the properties of — and the generation of high-Rydberg fragments therefrom 241
CO
on the mechanism of — loss from the metastable molecular ion of dimethyl malonate 31
CS_2^+
an angle-resolved mass-spectrometric study of non-dissociating excited states of — formed in 5 keV collisions of — with rare-gas targets 151

deprotonated amides
the collision-induced dissociations of — in the gas phase 167
dimethyl malonate
on the mechanism of CO loss from the metastable molecular ion of — 31

effusion molecular beam
ion/molecular reactions as an effect of crossing a highly non-homogeneous — with an electron beam 319
electron beam
ion/molecular reactions as an effect of crossing a highly non-homogeneous effusion molecular beam with an — 319
2-ethylbutanoic acid
a combined field ionization kinetics, collision-induced, and stable isotopic labelling study of the ethene and ethyl (and subsequent) eliminations from the molecular ion of — 215
ethyne-d_1 cation
fragmentation isotope effects in the neutralization–reionization of the — 91

fast-flow techniques
curvature in the plots for the determination of rate constants derived from — 277
fluoromethanes
double ionization energies of — measured using a double electron-capture technique 69

hydrogen
absolute cross-sections for state-diagnosed electron capture by $N^{2+\cdot}$ ions from molecular — 229
H_3O^- ion
experimental evidence for two different structures of the — and two different structures of the H_3O^+ ion 339
H_3O^+
— does not survive neutralization-reionization 237
H_3O^+ ion
experimental evidence for two different structures of the H_3O^- ion and two different structures of the — 339

image aberrations of mass spectrometers
the intensity distribution caused by — for beams filling parallelogram-like phase-space areas 23
indene
field ionization of — on tungsten 187
iodine
negative surface ionization mass spectrometry of atmospheric — 301
ion mirror
a secondary ion time-of-flight mass spectrometer with an — 43
ion/molecular reactions
— as an effect of crossing a highly non-homogeneous effusion molecular beam with an electrom beam 319

laser-enhanced thermionic electron emission
— from a tungsten filament R1
lithium ion source
emission characteristics of a thermal — 81

methonium ions
keV collisions of —: the properties of CH_5 and $[CH_5]^{2+}$ and the generation of high-Rydberg fragments therefrom 241
molecular hydrogen
absolute cross-sections for state-diagnosed electron capture by $N^{2+\cdot}$ ions from — 229

$N^{2+\cdot}$ ions
absolute cross-sections for state-diagnosed electron capture by — from molecular hydrogen 229

rate constants
curvature in the plots for the determination of — derived from fast-flow techniques 277
rf cylindrical trap
effective potential of an — 287

secondary ion time-of-flight mass spectrometer
a — with an ion mirror 43
SF_5NCO
negative ion formation in — following low-energy electron attachment 125
spontaneous desorption mass spectrometry
—: applications and mechanisms 99
sulphur hexafluoride
single and double ionization energies of — measured by double charge transfer spectroscopy 259

tungsten
field ionization of indene on — 187
tungsten filament
laser-enhanced thermionic electron emission from a — R1

$^{235}U/^{238}U$ isotope ratio and concentration
simultaneous determination of the — at nanogram levels of uranium employing a mixed spike in thermal ionization mass spectrometry 137